

Converting Colors

CIELCh(55, 39.990, 174.655)

Have a look what the booklet for
CIELCh(55, 39.990, 174.655)
contains.

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Color

CIELCh(55, 39.845, 174.544)

Conversions

Conversions Part 1

Format	Color
Hex	00957C
RGB	0, 149, 124
RGB Percent	0%, 58%, 49%
CMY	1.0000, 0.4159, 0.5139
CMYK	1.00, 0.00, 0.17, 0.42
HSL	170°, 100%, 29%
HSV	170°, 100%, 58%
XYZ	14.3709, 22.9298, 22.7197
YIQ	101.5990, -80.7790, -39.3630

Conversions

Conversions Part 2

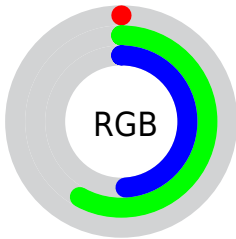
Format	Color
RYB	0, 81, 149
Decimal	38268
CIELab	55.00, -39.66, 3.79
CIELCh	55, 39.845, 174.544
Yxy	22.9298, 0.2394, 0.3820
Android (android.graphics.Color)	4278228348 (0xFF00957C)
YUV	101.5990, 11.0437, -89.1023
Hunter-Lab	47.8851, -30.2289, 5.3887

Details

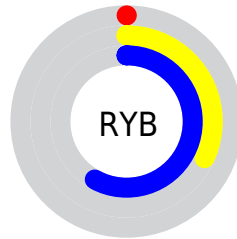
The CIELCh color **55, 39.845, 174.544** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **31, 62.988, 30.793**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **75, 39.941, 174.146**, and **36, 31.147, 169.530** is the 20% darker color. If you saturate the color by 10%, you get **55, 39.837, 174.539**, and if you desaturate by 10%, it is **55, 38.299, 176.079**.

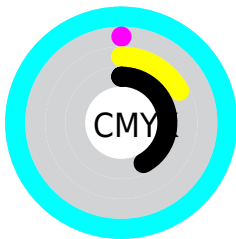
Distribution



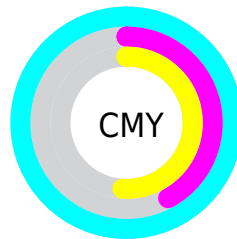
- Red (0%)
- Green (58%)
- Blue (49%)



- Red (0%)
- Yellow (32%)
- Blue (58%)



- Cyan (100%)
- Magenta (0%)
- Yellow (17%)
- Black (42%)




- Cyan (100%)
- Magenta (42%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 39.845, 174.544 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 55, 39.845, 174.544 by changing the saturation by 10% instead.

 55, 39.845,
174.544

 55, 39.845,
174.544

 100, 39.845,
174.544

 45, 39.845,
174.544


 75, 39.845,
174.544

 35, 39.845,
174.544

 85, 39.845,
174.544

 25, 39.845,
174.544

 95, 39.845,
174.544

 15, 39.845,
174.544

 5, 39.845, 174.544

 0, 39.845, 174.544

■ 55, 39.845,
174.544

■ 55, 39.845,
174.544

■ 55, 39.837,
174.539

■ 55, 38.299,
176.079

■ 55, 36.298,
177.533

■ 56, 33.641,
178.849

■ 56, 30.320,
180.048

■ 57, 26.370,
181.149

■ 58, 21.859,
182.174

■ 58, 16.874,
183.139

■ 59, 11.507,

184.060

■ 60, 5.853, 184.966

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



55, 39.845, 174.544



31, 62.988, 30.793

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



55, 39.845, 174.544



55, 39.845, 224.544



55, 39.845, 354.544



55, 39.845, 44.544

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



55, 39.837, 174.539



74, 20.880, 183.081



54, 78.789, 134.689



38, 14.058, 182.719



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



55, 39.837, 174.539



70, 48.592, 174.171



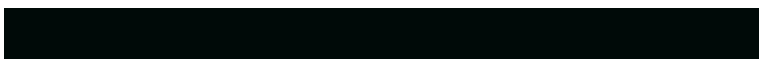
41, 33.403, 258.210



31, 3.291, 185.040



51, 37.568, 174.666



2, 2.920, 185.747

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



31, 62.988, 30.793



40, 77.362, 31.951



35, 62.352, 48.840



29, 3.421, 6.477



28, 59.261, 30.381



1, 2.920, 5.731

Previews

White Background



This preview shows how the CIE LCh color 55, 39.845, 174.544 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 55, 39.845, 174.544 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 55, 39.845, 174.544

Background



This preview shows how black text looks on a background with the CIELCh color 55, 39.845, 174.544.



This preview shows how white text looks on a background with the CIELCh color 55, 39.845, 174.544.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

55, 39.845, 174.544

Protanopia

55, 10.034, 94.533

Deuteranopia

55, 6.962, 10.667



Tritanopia
55, 28.282, 211.258

Trichromacy



Original Color
55, 39.845, 174.544



Protanomaly
54, 22.500, 166.294



Deuteranomaly
53, 16.634, 181.505

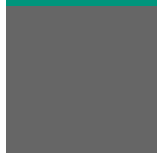


Tritanomaly
55, 31.752, 194.385

Monochromacy



Original Color
55, 39.845, 174.544



Achromatopsia
43, 0.006, 296.813



Achromatomaly
46, 20.315, 181.829

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 39.845, 174.544 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(0, 149, 124)` looks like.

```
.text, #text, p{  
    color:rgb(0, 149, 124)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(0, 149, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 149, 124) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 39.845, 174.544 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(0, 149, 124) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(0, 149, 124) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(0, 149, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 149, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 149, 124);  
box-shadow:4px 4px 4px 4px rgb(0, 149,  
124) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 39.845, 174.544 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 149, 124) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(0, 149,  
124) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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